

COURSE OUTLINE

Firelands Regional Medical Center School of Nursing
Sandusky, Ohio

MEDICAL SURGICAL NURSING

January, 2021

TIME ALLOTMENT: 107 Theory Hours
12 Planned Laboratory Hours
22 Planned Simulation Hours
3 Planned Observation Hours
107 Planned Clinical Hours
144 Total number of Laboratory, Simulation, Observation, and Clinical hours combined
251 Total Course Hours
10 Credit Hours

FACULTY: Dawn Wikel, MSN, RN, CNE (Co-Course Coordinator)
Lora Malfara, MSN, RN (Co-Course Coordinator)
Elizabeth Woodyard, MSN, RN (Co-Course Coordinator)
Kelly Ammanniti, MSN, RN
Monica Dunbar, MSN, RN

TEACHING ASSISTANT: Nick Simonovich, BSN, RN
Devon Cutnaw, BSN, RN

GRADUATE STUDENT: None

COURSE OBJECTIVES:

At the conclusion of the course, the student will be able to:

1. Illustrate correlations to demonstrate the pathophysiological alterations in adult patients with medical-surgical problems. (2,3,4,5)*
2. Perform physical assessments as a method for determining deviations from normal. (3,4,5)*
3. Execute safety precautions in the implementation of quality, patient-centered care and evidence-based nursing interventions. (2,3,4,5,8)*
4. Use therapeutic communication techniques to establish a baseline for nursing decisions. (1,5,7)*
5. Implement patient education based on teaching needs of patients and/or significant others. (1,6)*
6. Implement patient-centered plans of care utilizing the nursing process and clinical judgment. (2,3,4,5)*
7. Illustrate professional conduct including self-examination, responsibility for learning, and goal setting. (7)*

*End-of Program Student Learning Outcomes

COURSE DESCRIPTION:

This course focuses on assessment and nursing care of the adult client with endocrine, gastrointestinal, hepatic, renal, neurological, sensory, musculoskeletal, cancerous, male reproductive, and respiratory disorders. Theory presented addresses patient and family education needs, community resources, diet therapy, pharmacotherapy and gerontological considerations. Students use the nursing process and clinical judgment in the care of adult clients in a variety of clinical settings. The course is offered in the spring semester. This course is taken in the second year.

Prerequisite: Nursing Foundations

TEXTBOOKS:

REQUIRED:

Harding, M., Kwong, J., Roberts, D., Hagler, D., & Reinisch, C. (2020). *Lewis’s medical- surgical nursing: Assessment and management of clinical problems* (11th ed.). St. Louis, MO: Elsevier, Inc.

Assessment Technologies Institute; LLC. (2019). *RN pharmacology for nursing* (8th ed.). ATI.

Assessment Technologies Institute; LLC. (2019). *RN adult medical surgical nursing* (11th ed.). ATI.

Assessment Technologies Institute; LLC. (2020). *Pharmacology made easy 4.0 tutorial*. ATI.

vSim- <http://thePoint.lww.com>

<http://www.skyscape.com>. Electronic device loaded with: Nursing Constellation and Nurse’s Pocket Guide

Optional:

Nugent, P.M. & Vitale, B.A. (2020). *Test success* (9th ed.). Philadelphia, PA: F.A. Davis Company.

Doherty, C.D. (2020). *Med-Surg Success* (4th ed.). Philadelphia, PA: F.A. Davis Company.

Purchase an NCLEX-RN review book.

TEACHING STRATEGIES:

Assigned Textbook Readings	Interactive Group Activities	Care Plans
Lecture and Discussion	Practice NCLEX Test Items	Concept Maps
Audio-Visual Aids	Simulation Lab	Critical Thinking Exercises
Demonstrations	Case Studies	Gaming
Evidence-Based Poster	Online Lecture	Globalization Presentation
Pharmacology Self-Studies	PEARLS Simulation Debriefing	Skills Videos
Clinical Judgment Exercises	Virtual Simulation Scenarios	Prioritization & Delegation Activities
Pharmacology Activity	Guest Speakers	

METHODS OF EVALUATION:

Quizzes	Clinical Discussion Group Grading Rubric	Evidence-Based Poster Rubric
Unit Tests	Evaluation of Clinical Performance Tool	Final Exam
Globalization Presentation Rubric	Meditech Documentation	Nursing Care Plan Rubric
Clinical Debriefing	Skills Lab Competency Tool & Skills Checklist	Simulation, Prebriefing, PEARLS Debriefing, & Reflection
Virtual Simulation Scenarios	Lasater’s Clinical Judgment Rubric & Scoring Sheet	Journal

BIBLIOGRAPHY OF LEARNING RESOURCES:

- A'Court, J., Lees, D., Harrison, W., Ankers, T., & Reed, M. (2017). Pain and analgesia requirements with hip fracture surgery. *Orthopaedic Nursing*, 36(3), 224-227. doi: 10.1097/NOR.0000000000000347
- Anderson, J. A. (2016). Acute ischemic stroke: The golden hour. *Nursing2016Critical Care*, 11(3), 28-36.
- Armstrong, C.O. (2017). Post-op incentive spirometry: Why, when, & how. *Nursing 2017*, 47(6), 54-57.
- Barlow, W. & Shepard, L. H. (2014). Care of the patient with bladder cancer. *Nursing Made Incredibly Easy!* September/October, 40-48.
- Blevins, S. (2014). Making ABGs simple. *MedSurg Nursing*, 23(3), 185-186.
- Bowen, P. (2016). Early identification, rapid response, and effective treatment of acute stroke: Utilizing teleneurology to ensure optimal clinical outcomes. *MedSurg Nursing*, 25(4), 241-243.
- Evans-Agnew, R. & Cooper, C. (2016). Asthma education: Key messages. *Nursing Made Incredibly Easy*, July/August, 22-30.
- Global Strategy for the Diagnosis, Management and Prevention of COPD- Global Initiative for Chronic Obstructive Lung Disease (GOLD) 2017. Available from <http://goldcopd.org>
- Greenwald, B. (2015). A review of the american cancer society's 2015 colorectal cancer screening recommendations. *Gastroenterology Nursing*, 38(3), 230-234.
- Gwynne-Jones, D. P., Martin, G., & Crane, C. (2017). Enhanced recovery after surgery for hip and knee replacements. *Orthopaedic Nursing*, 36(3), 203-210. doi: 10.1097/NOR.0000000000000351
- Jeffries, M., Flanagan, J., Davies, D., & Knoll, S. (2017). Evidence to support the use of occlusive dry sterile dressings for chest tubes. *Medsurg Nursing*, 26(3), 171-174.
- Liebert, R. (2016). Establishment and evaluation of an anterior cruciate ligament injury prevention program. *Orthopaedic Nursing*, 35(3), 161-171. doi: 10.1097/NOR.0000000000000245
- Lindgreen, P., Rolving, N., Nielsen, C. V., & Lomborg, K. (2017). Interdisciplinary cognitive-behavioral therapy as part of lumbar spinal fusion surgery rehabilitation . Experiences of patients with chronic low back pain. *Orthopaedic Nursing*, 35(4), 238-247. doi: 10.1097/NOR.0000000000000259
- Marino, J. M. (2016). Delirium screening in the ICU. *Nursing2016Critical Care*, 11(4), 18-22.
- McNett, M. M, Amato, S., & Philippbar, S. A. (2016). A comparative study of Glasgow coma scale and full outline of unresponsiveness scores for predicting long-term outcome after brain injury. *Journal of Neuroscience Nursing*, 48(4), 207-214.
- Miller, W. R., Otten, J. L., & Pleuger, M. (2016). Perceived changes in sleep in adults with epilepsy. *Journal of Neuroscience Nursing*, 48(4), 179-184.
- Mori, C., Hageman, D., Zimmerly, K. (2017). Nursing care of the patient undergoing an anterior approach to total hip arthroplasty. *Orthopaedic Nursing*, 36(2), 124-129. doi: 10.1097/NOR.0000000000000326
- Morris, L. L., Bedon, A. M., McIntosh, E., & Whitmer, A. (2015). Restoring speech to tracheostomy patients. *Critical Care Nurse*, 35(6), 13-27.
- Norton, J. M., Newman, E. P., Romancito, G., Mahooty, S., Kuracina, T., & Narva, A. S. (2017). Improving outcomes for patients with chronic kidney disease: Part 1. *American Journal of Nursing*, 117(2), 22-32. doi:10.1097/01.NAJ.0000512272.33956.8b
- Norton, J. M., Newman, E. P., Romancito, G., Mahooty, S., Kuracina, T., & Narva, A. S. (2017). Improving outcomes for patients with chronic kidney disease: Part 2. *American Journal of Nursing*, 117(3), 26-35. doi:10.1097/01.NAJ.0000513259.90613.27
- O'Shaughnessy, J., Grzelak, M., Dontsova, A., & Braun-Alfano, I. (2017). Early sepsis identification. *Medsurg Nursing*, 26(4), 248-252.
- Parmer, J., Allen, L., & Walton, W. (2017). Tuberculosis: A new screening recommendation and an expanded approach to elimination in the United States. *American Journal of Nursing*, 117(8), 24-34.
- Perkins, A. (2016). When Alzheimer disease strikes early. *Nursing Made Incredibly Easy*, September/October, 33-41.
- Robinson, J. R. (2014). Puzzled about end-stage renal disease? *Nursing Made Incredibly Easy!* January/February, 17-20.
- Salt, E., Gokun, Y., Kerr, A. R., & Talbert, J. (2017). A description and comparison of treatments for low back pain in the United States. *Orthopaedic Nursing*, 36(4), 214-221. doi: 10.1097/NOR.0000000000000258
- Seckel, M.A. (2017). Sepsis-3: The new definitions. *Nursing 2017 Critical Care*, 12(2), 37- 43.

- Shabanloci, R., Ebrahimi, E., Ahmadi, F., Mohammadi, E., & Dolatkah, R. (2016). Stigma in cirrhotic patients: A qualitative study. *Gastroenterology Nursing*, 39(3), 216-224.
- Sherwin, L., Leary, E., & Henderson, W. (2016). Effect of illness representations and catastrophizing on quality of life in adults with irritable bowel syndrome. *Journal of Psychosocial Nursing*, 54(9), 44-53.

WEB SITES:

- <https://evolve.elsevier.com> (several Internet resources are available at the end of each chapter in Lewis's Medical Surgical textbook plus additional resources)
- <https://atitesting.com> (Mozilla Firefox is the preferred internet browser for this website)
- <https://firelands.edvance360.com>
- <https://skyscape.com>
- <http://172.16.28.164/Orion/Login.aspx>
- <https://thePoint.lww.com>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1 (cont)		<p>LAB AND CLINICAL OVERVIEW</p> <p>A. Clinical Overview</p> <ol style="list-style-type: none"> 1. Clinical Orientation (2 hours) 2. Skyscape Update 3. Clinical Schedule 4. Clinical, Lab, Simulation Evaluation Tools 5. High Fidelity Simulation Orientation (1 hour) 6. Rehab Orientation (0.5 hours) 7. vSim <p>B. IV Math (2 hours)</p> <p>C. FSBS (1 hour)</p> <p>D. Head to Toe Assessment Checkoff</p>	<p>Handout:</p> <ul style="list-style-type: none"> • Lab Group Assignments • Clinical Schedule • Hand-off Report • Patient Profile Database • CDG Grading Rubric • Nursing Care Plan Guidelines and Rubric • Clinical Signature Forms • Team Leader Responsibilities • Rehab Orientation Tips (1/15/21) • Simulation Orientation Documents (2/9/21) <ul style="list-style-type: none"> • Simulation Schedule • Simulation Confidentiality Form • Clinical Judgment Model • Lasater Clinical Judgment Rubric • Reflection Journal • Video (EMS) Software: Orion <p>IV Math Handout: IV Calculation Rules (distributed in-class)</p> <p>In-Person Lab: IV Math Application scenarios 1/6/21 & 1/7/21 with varying times (see course calendar)</p> <p>Refer to the Edvance360 Lesson: Week 1- FSBS (due 1/5/21)</p> <p>One-on-one demonstration of competence with faculty</p> <p>Refer to the Edvance360 Lesson: Week 1- Head to Toe Assessment Checkoff (due 1/5/21)</p> <ul style="list-style-type: none"> • Basic Head to Toe Assessment Skills Checklist <p>Skills Lab: Demonstration one-on-one with a faculty member</p>

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1 (cont)		<p>E. Insulin Lab (1 hour)</p> <p>F. Meditech Update (1 hour)</p> <p>G. D/C IV and IV Pump (1 hour)</p> <p>H. IV LAB (3 hours)</p> <p>I. Mandatory Lab (3 hours)</p>	<p>Refer to the Edvance360 Lesson: Week 1- Insulin Lab (due 1/5/21)</p> <p>Guided practice; faculty observation of competence</p> <p>In-Person Lab Demonstration:</p> <ul style="list-style-type: none"> • BMV for insulin and IV meds • IV intake documentation • Outcomes <p>Refer to the Edvance360 Lesson: Week 1- D/C IV and IV Pump (due 1/5/21)</p> <p>Refer to the Edvance360 Lesson: Week 2- IV Lab (due 1/11/21)</p> <p>Guided practice; faculty observation of competence</p> <p><u>MSN Skills Quiz (IV Math, FSBS, Insulin, IV content) on campus 1/11/21 (1100-1130)</u></p> <ul style="list-style-type: none"> • <u>Mandatory Lab #1 (1/6/21 & 1/7/21)</u>- Refer to the Edvance360 Lesson: Week 1- Mandatory Lab- NF Skills Review (due 1/6/21 or 1/7/21) • <u>Mandatory Lab #2 (3/26/21)</u>- Practice 2 skills of the student's choice and any skills that are currently evaluated as NI or U (sign-up required)
Week 1	<p>Utilize appropriate clinical judgment in the care of patients with respiratory conditions. (1,2,3,4,5,6,7)*</p> <p>Outline the pharmacological agents used to treat respiratory related conditions. (1,2,3,5,6)*</p>	<p>UNIT I - RESPIRATORY NURSING (15 hours)</p> <p>A. Respiratory Pharmacology</p> <ol style="list-style-type: none"> 1. Short and Long-Acting Beta 2 Adrenergic Agonists 2. Anticholinergics 3. Corticosteroids 	<p>Clinical assignment: Care for patients with various pulmonary disorders</p> <p>Handout: Respiratory Pharmacology Topics (Self-Study)</p> <p>View Online ATI Tutorial: Pharmacology Made Easy 4.0</p>

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Week 1 (cont)	<p>Describe the respiratory system's primary function of gas exchange. (1)*</p> <p>Focus on the collection of subjective data to obtain a complete respiratory assessment. (2)*</p> <p>Focus on the collection of objective data to obtain a complete respiratory assessment. (2)*</p> <p>Integrate diagnostic tests and related nursing care commonly used to evaluate respiratory conditions. (1,2,3,4,5,6)*</p>	<p>4. Methylxanthines 5. Leukotriene Modifiers 6. Expectorants 7. Antitussives 8. Combination Drugs 9. Anticoagulants</p> <p>B. Anatomy and Physiology 1. Upper Airway 2. Lower Airway 3. Chest Wall 4. Physiology of Respiration 5. Control of Respiration 6. Respiratory Defense Mechanisms</p> <p>C. Physiological Changes with Aging</p> <p>D. Subjective Data 1. Respiratory Health History</p> <p>E. Objective Data 1. Inspection 2. Palpation 3. Percussion 4. Auscultation</p> <p>F. Diagnostic Studies</p>	<ul style="list-style-type: none"> • The Respiratory System • The Hematologic System- Drug Therapy to Prevent/Dissolve Thrombi <ul style="list-style-type: none"> -Factor Xa/Thrombin Inhibitors -Vitamin K Inhibitors <p>Read: ATI Text: RN Pharmacology for Nursing 8.0</p> <ul style="list-style-type: none"> • Unit 3 Medications Affecting the Respiratory System (Ch. 17-18, p. 131-144) • Unit 5 Medications Affecting the Hematologic System (p. 193-203) <p>Lewis: Ch. 25</p> <p>Lewis: Ch. 25</p> <p>Lewis: Ch. 25</p> <p>Lewis: Ch. 25</p> <p>ATI Text: RN Adult Medial Surgical Nursing 11.0 Unit 3, Ch. 17 Respiratory Diagnostic Procedures p. 105-110 and Ch. 19 Respiratory Management p. 115-124</p> <p>Lewis: Ch. 16 pg. 285-289, 469-471</p>
Week 1	Organize and interpret various	G. Arterial Blood Gases	Lewis: Ch. 16 pg. 285-289, 469-471

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(cont)	arterial blood gas results. (1,2,6)* Illustrate the etiology, pathophysiology, clinical manifestations, and management of the patient with influenza. (1,2,3,4,5,6)*	<ol style="list-style-type: none"> 1. pH and Hydrogen Ion Concentration 2. Acid-Base Regulation 3. Alterations in Acid-Base Balance 4. Etiology 5. Clinical Manifestations 6. Interpretation of ABG's 7. Venous Blood Gases H. Infections and Obstruction of Upper Airway <ol style="list-style-type: none"> 1. Influenza <ol style="list-style-type: none"> a. Etiology and Pathophysiology b. Clinical Manifestations c. Diagnostic Studies d. Interprofessional and Nursing Care e. <i>Core Measures & 34 Safe Practices for Healthcare: Immunization</i> 2. Obstructive sleep apnea 3. Tracheostomy <ol style="list-style-type: none"> a. Nursing management 	Handout: ABG Interpretation Virtual In-Class Practice and Take Home ABG Assignment (Due 1/13/21 or 1/14/21 at Trach. Lab) Lewis: Ch. 26 Ch. 7 pg. 95-97 ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 20 Acute Respiratory Disorders pg. 125-128 Handout: Influenza Vaccine Information Sheet (CDC)
Week 2	Differentiate the nursing care of the patient after a partial laryngectomy and after a total laryngectomy with radical neck dissection. (1,2,3,4,5,6)*	I. Head and Neck Cancer <ol style="list-style-type: none"> 1. Etiology 2. Clinical manifestations 3. Diagnostic studies 4. Interprofessional care 5. Nursing management 	Optional Lab: Open Lab to Practice Trach Skills & IV pump 1/11/21 1200-1430 <u>Virtual Quiz- Ch. 25 1/12/21 (0800-0830)</u> Refer to Edvance360 Lesson: Week 2- Trach Care & Suctioning (due 1/13/21 & 1/14/21) In-Person Lab: 1/13/21 or 1/14/21 Tracheostomy care and suctioning (guided practice, 1:1 observation of competence) Lewis: Ch. 26 Virtual In-Class Case Study: Laryngeal Cancer <u>Virtual Resp. Quiz (content G-I) 1/15/21 (0800-0830)</u>

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 2 (cont)</p>	<p>Outline the incidence, preventive measures, and treatment of bacterial infection. (1,2,3,4,5,6)*</p> <p>Attribute the etiology, pathophysiology, clinical manifestations, and management of patients with lung cancer. (1,2,3,4,5,6)*</p> <p>Integrate the etiology, pathophysiology, clinical manifestations, and management of acute and chronic obstructive pulmonary disease. (1,2,3,4,5,6)*</p>	<p>J. Lower Respiratory Tract Infections – Pneumonia and Tuberculosis</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management 7. <i>Core Measure & 34 Safe Practices for Healthcare: Immunization</i> <p>K. Lung Cancer</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Interprofessional care 6. Nursing management <p>L. Obstructive Pulmonary Disease - Asthma</p> <ol style="list-style-type: none"> 1. Etiology (Risk Factors) 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management & Drug therapy <p>M. Chronic Obstructive Pulmonary Disease</p> <ol style="list-style-type: none"> 1. Etiology (Risk Factors) 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management 7. Gerontological considerations 8. <i>Social Determinants of Health</i> 	<p>Lewis: Ch. 27</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 20 Acute Respiratory Disorders p. 128-131, Ch. 23 Tuberculosis p. 143-148</p> <p>Handouts:</p> <ul style="list-style-type: none"> • Pneumococcal Vaccination Information Sheet (CDC) • Patient Education for Pneumonia <p>Lewis: Ch. 27</p> <p><u>Dosage Calculation Quiz #2 on campus 1/11/21 as needed</u></p> <p>Virtual In-Class NCLEX Presentation: Kyle Conley, RN (FRMCSN graduate class of 2020) 1/12/21 1130-1230</p> <p>Lewis: Ch. 28</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 21 Asthma p. 133-136</p> <p>Handout: Asthma Action Plan</p> <p>Lewis: Ch. 28</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 22 Chronic Obstructive Pulmonary Disease p. 137-141</p> <p>Virtual In-Class Activity: COPD Case Study</p> <p>Virtual In-Class Activity: Respiratory Pharmacology</p>

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		N. Capnography	Virtual In-Class Activity: Concept Map (COPD) & NCLEX style questions <u>Dosage Calculation Quiz #3 on campus 1/13/21 or 1/14/21 as needed</u>
Week 3	<p>Differentiate among a closed, an open, and a tension pneumothorax in terms of signs and symptoms, treatment, and nursing management. (1,2,3,4,5,6)*</p> <p>Integrate the etiology, pathophysiology, clinical manifestations, and management of patients with chest surgery. (1,2,3,4,5,6)*</p> <p>Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with restrictive respiratory disorders. (1,2,3,4,5,6)*</p> <p>Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with vascular lung disorders. (1,2,3,4,5,6)*</p>	<p>O. Chest Trauma and Thoracic Injuries</p> <ol style="list-style-type: none"> 1. Pneumothorax and Hemothorax 2. Chest tubes and Pleural drainage <p>P. Chest Surgery</p> <ol style="list-style-type: none"> 1. Preoperative care 2. Surgical procedures 3. Postoperative care 4. Lung transplant <p>Q. Restrictive Respiratory Disorders</p> <ol style="list-style-type: none"> 1. Pleural Effusion 2. Atelectasis <p>R. Vascular Lung Disorders – Pulmonary Embolism</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management 	<p>Lewis: Ch. 27</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 25 Pneumothorax and Hemothorax p. 155-160 & Unit 3, Ch. 18 Chest Tube Insertion and Monitoring p. 111-114</p> <p>Virtual In-Class: Chest Tube Equipment</p> <p>Lewis: Ch. 27</p> <p>Lewis: Ch. 27</p> <p>Lewis: Ch. 27</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 3, Ch. 24 Pulmonary Embolism p. 149-154</p> <p>Virtual In-Class Group Activity: Nursing Care Plan (PE)</p> <p><u>Virtual Respiratory Pharmacology Quiz 1/19/21 (0800-0830)</u></p>

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Week 3 (cont)	Demonstrate the use of accomplished and exemplary clinical judgment in the prioritization and management of care with a case scenario involving multiple patients with respiratory conditions. (1,2,3,4,5,6,7)*		<p><u>Virtual In-Class TB Globalization Presentation 1/19/21</u> *Reminder for students to submit electronic TB globalization presentation to Devon by 1400 1/15/21</p> <p>Virtual In-Class Group Activity: Prioritization & Delegation of Multiple Patients with Respiratory Conditions</p> <p>In-Person EBP Lab (1 hour) 1/13/21 or 1/14/21 (see schedule) Guest Speaker: Libby Kyle, M.A. in English FRMCSN Learning Resources Coordinator</p> <p>vSim Vincent Brody- Geriatric, African American, Male (Medical-Surgical scenarios) due by 8:00a, 1/25/21</p>
Week 4			<p align="center"><u>Virtual UNIT TEST I: Respiratory Nursing (1 hour)</u> <u>1/25/21 0800-0900</u></p>
Week 4 (cont)	<p>Upon completion of this unit, the student will be able to:</p> <p>Outline the pharmacological agents used to treat endocrine and hypertensive related conditions. (1,2,3,5,6)*</p> <p>Identify the common characteristics and functions of hormones and structures of the endocrine system. (1,2,)*</p> <p>Explore the significant subjective and objective assessment data related to the endocrine system that should be obtained from a</p>	<p>UNIT II - ENDOCRINE DYSFUNCTION (15.5 hours)</p> <p>A. Endocrine Pharmacology</p> <ol style="list-style-type: none"> 1. Insulin 2. Biguanide 3. Sulfonylurea 4. Glucocorticoids 5. Angiotensin-Converting Enzyme (ACE) 6. Angiotensin II Receptor Antagonist (ARB) 7. β-Adrenergic Blocker Cardioselective 8. Calcium Channel Blocker 9. Thiazolidinedione 10. Gliptin 11. Incretin Mimetics 12. Hyperglycemics 13. Antithyroid 	<p>Clinical assignment:</p> <ul style="list-style-type: none"> • Care for patients with various endocrine disorders <p>Handout: Endocrine Pharmacology Topics (Self-Study)</p> <p>Online: Pharmacology Made Easy, 4.0 The Endocrine System</p> <p>Read: ATI RN Pharmacology for Nursing, 8.0 Medications Affecting the Endocrine System Unit 10: Ch. 39</p>

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Week 4 (cont)	<p>patient. (2,3,4,6,7)*</p> <p>Investigate the purpose, significance of results, and nursing responsibilities related to diagnostic studies of the endocrine system. (2,3,4,6,7)</p> <p>Compare and contrast between type 1 and type 2 diabetes mellitus. (1,2)*</p> <p>Examine the collaborative care of the patient with diabetes mellitus. (2,3,4,6,7)*</p> <p>Demonstrate proper nutrition and exercise strategies in the management of diabetes mellitus. (2,3,4,6,7)*</p> <p>Demonstrate the nursing management of a patient with diabetes mellitus in the ambulatory and home care settings. (2,3,4,6,7)*</p> <p>Recognize the pathophysiology and clinical manifestations of acute and chronic complications of diabetes mellitus. (2,3,4,6,7)*</p> <p>Verbalize the collaborative care and nursing management of the patient with acute and chronic</p>	<p>14. Thyroid Replacement</p> <p>B. Nursing assessment: Endocrine system</p> <ol style="list-style-type: none"> 1. Structures and functions of the endocrine system 2. Gerontologic considerations 3. Assessment of the endocrine system 4. Diagnostic studies of the endocrine system <ol style="list-style-type: none"> a. Laboratory studies b. Radiologic studies <p>C. Management of patients with diabetes mellitus (DM)</p> <ol style="list-style-type: none"> 1. Etiology and pathophysiology <ol style="list-style-type: none"> a. Type 1 b. Type 2 c. Prediabetes d. Clinical manifestations 2. Diagnostic studies 3. Interprofessional care 4. Drug therapy <ol style="list-style-type: none"> c. Insulin d. Oral agents e. Incretin mimetics f. Amylin analog 5. Nutritional therapy 6. Exercise 7. Monitoring blood glucose 8. Culturally Competent Care 9. Nursing management <ol style="list-style-type: none"> a. Nursing assessment b. Nursing diagnoses c. Planning d. Nursing implementation <ol style="list-style-type: none"> 1. Risk factors e. Evaluation 10. Acute complications <ol style="list-style-type: none"> a. Hyperglycemia b. Diabetic ketoacidosis (DKA) c. Hyperosmolar hyperglycemic syndrome (HHS) d. Hypoglycemia 11. Chronic complications 	<p>Read: Lewis: Ch 47: Endocrine System</p> <p><u>Virtual quiz Ch. 47 & 48 1/26/21 (0800-0830)</u></p> <p>Read: Lewis: Ch 48: Diabetes Mellitus</p> <p>Read: ATI RN Adult Medical Surgical Nursing, 11.0 Unit 12: Diabetes Management and Complications of Diabetes Ch 82 & 83</p> <p>Guest Lecturer: Nathan Raftery, RN, DSME Diabetes Education</p> <p>Handouts:</p> <ul style="list-style-type: none"> • Choose My Plate Packet • Sugar Shockers <p>Virtual In-Class Activity: Meal Planning</p> <p>Handouts:</p> <ul style="list-style-type: none"> • Insulin Sliding Scale Coverage Example (given during Insulin Lab) • Hypoglycemia Protocol for Adults (given during Insulin lab) <p>ATI Skills Module 3.0 Diabetes Management</p>

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>complications of diabetes mellitus. (2,3,4,6,7)* Demonstrate the use of accomplished and/or exemplary clinical judgment in the management of care for a patient with diabetes mellitus. (1,2,3,4,5,6,7)*</p>	<p>a. Angiopathy 1. Macrovascular 2. Microvascular a. Diabetic retinopathy b. Nephropathy c. Neuropathy 3. Complications of the foot and lower extremity a. Integumentary complications b. Infection 4. Psychologic Considerations 5. <i>34 Safe Practices for Healthcare</i> 12. Gerontologic considerations</p>	
<p>Week 5</p> <p>Week 5 (cont)</p>	<p>Differentiate between primary and secondary hypertension (1, 5)* Formulate goals of management for hypertension (3, 5)* Verbalize the definition of cancer. (1)* Describe the processes involved in the biology of cancer. (1)* Compare and contrast the differences between benign and malignant neoplasms. (1)* Discuss the role of the nurse in the prevention and detection of cancer. (1,2,3,4,5,6)*</p>	<p>13. Introduction to hypertension a. Etiology and pathophysiology b. Primary and secondary hypertension c. Risk factors and clinical manifestations d. Diagnostic studies e. Interprofessional care and management</p> <p>D. Cancer Characteristics 1. Cancer incidence and trends 2. Biology of cancer 3. Pathophysiology a. Defect in cellular proliferation b. Defect in cellular differentiation c. Development of cancer d. Role of Immune System 4. Classification of cancer a. Anatomic site b. Histologic analysis c. Stage & Classification 5. Diagnosis of cancer a. Health history b. Physical examination</p>	<p>Read: Lewis Ch. 32: p. 684-693</p> <p>Refer to Edvance360 Lesson: Week 5- Ch. 32 HTN Online PowerPoint & Activity</p> <p><u>Virtual quiz Ch. 48 & 32 2/1/21 (0800-0830)</u></p> <p>Clinical experiences: Care of the client with cancer.</p> <p>Read: Lewis Ch. 15</p> <p>Virtual In-Class Cancer Activity: Case Study</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 5 (cont)</p>	<p>Analyze laboratory and diagnostic tests used to diagnose cancer. (1)*</p> <p>Describe the effects of each cancer treatment modality on the body. (1,2,3)*</p> <p>Design-a nursing care plan for providing individualized care to the client with cancer. (2,3,4,5,6)*</p> <p>Describe the nursing interventions required for complications resulting from cancer. (1,2,3,5,6)*</p> <p>Discuss teaching needs of the client and family experiencing cancer. (5)*</p> <p>Examine the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of hormones produced by the anterior pituitary gland. (2,3,4,6,7)*</p> <p>Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of antidiuretic hormone secretion. (2,3,4,6,7)*</p>	<p>c. Diagnostic studies</p> <p>d. Prevention & Detection</p> <p>6. Interprofessional care of cancer</p> <p>a. Treatment Goals</p> <p>1) Cure</p> <p>2) Control</p> <p>3) Palliation</p> <p>b. Personalized cancer medicine</p> <p>c. Surgical therapy</p> <p>d. Chemotherapy</p> <p>1. Precautions</p> <p>e. Radiation therapy</p> <p>1. Body reactions</p> <p>b. Immunotherapy</p> <p>c. Hormone therapy</p> <p>7. Complications of cancer</p> <p>a. Malnutrition</p> <p>b. Infection</p> <p>c. Pain</p> <p>8. Coping</p> <p>9. Gerontologic considerations</p> <p>10. Culturally competent care</p> <p>E. Nursing management: Endocrine problems</p> <p>1. Disorders of the posterior pituitary gland</p> <p>a. Syndrome of inappropriate antidiuretic hormone (SIADH)</p> <p>b. Diabetes insipidus</p> <p>2. Disorders of the thyroid gland</p> <p>a. Hyperthyroidism</p> <p>b. Hypothyroidism</p> <p>3. Disorders of the adrenal cortex</p> <p>a. Cushing syndrome</p> <p>b. Addison’s disease</p> <p>4. Disorders of the adrenal medulla</p> <p>a. Pheochromocytoma</p> <p>F. <i>Social Determinants of Health</i></p>	<p>Read: Lewis: Ch 49: Endocrine Problems</p> <p>Read: ATI RN Adult Medical Surgical Nursing, 11.0 Unit 12: Ch. 76-81</p> <p>Virtual In-Class Activity: Pharmacology Kahoot</p> <p>Virtual In-Class Activity: Endocrine Problems Concept Maps</p> <p><u>Virtual Endocrine Pharmacology Quiz 2/2/21 (0800-0830)</u></p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Interpret the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with thyroid dysfunction. (2,3,4,6,7)*</p> <p>Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of the hormone produced by the parathyroid glands. (2,3,4,6,7)*</p> <p>Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of hormones produced by the adrenal cortex. (2,3,4,6,7)*</p>		<p>Virtual In-Class Group Activity: Prioritization of Multiple Patients with Endocrine Conditions, Cancer, or HTN</p> <p><u>Virtual In-Class: DM Globalization Presentations 2/2/21</u> *Reminder for students to submit electronic DM globalization presentation to Monica by 1400 1/29/21</p>
Week 6			<p>vSim Juan Carlos- Middle Aged, Hispanic, Male (Pharmacology scenario) due by 8:00a, 2/8/21</p> <p><u>Virtual UNIT TEST II: Endocrine Nursing (1 hour)</u> <u>2/8/21 0800-0900</u></p>
Week 6 (cont)	<p>Outline the pharmacological agents used to treat musculoskeletal & infectious disease related conditions. (1,2,3,5,6)*</p>	<p>UNIT III - MUSCULOSKELETAL NURSING (13 hours)</p> <p>A. Musculoskeletal Pharmacology</p> <ol style="list-style-type: none"> 1. Disease Modifying Antirheumatic Drugs (Nonbiologic DMARD and Biologic DMARD) 2. Penicillin 3. Vancomycin 4. Aminoglycosides 5. Sulfonamides 	<p>Clinical assignment: Care for patients with various musculoskeletal and sensory disorders.</p> <p>Clinical: PT/OT, Infection Control, Inpatient Acute Rehabilitation Unit</p> <p>Handout: Musculoskeletal Pharmacology Topics (Self-</p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 6 (cont)</p>	<p>Describe the structures and function of the different tissues that compose the musculoskeletal system. (1)*</p> <p>Compare and contrast age-related changes in the musculoskeletal system. (1)*</p> <p>Analyze the significant subjective and objective data related to the musculoskeletal system that should be obtained from a patient. (2)*</p> <p>Describe the appropriate techniques used in the physical assessment of the musculoskeletal system. (2)*</p>	<p>6. Antiparasitic 7. Antifungal 8. Antiviral 9. Bisphosphonates 10. Cephalosporins 11. Macrolides 12. Fluoroquinolones 13. Tetracyclines</p> <p>B. Anatomy and Physiology 1. Structures and functions of the musculoskeletal system 2. Effects of aging</p> <p>C. Musculoskeletal System Assessment 1. Subjective data – Health history a. Health information b. Functional health patterns 2. Objective data – Physical examination a. Inspection b. Palpation c. Motion d. Muscle-strength testing e. Measurement</p>	<p>Study)</p> <p>On-line: ATI Pharmacology Made Easy 4.0: The Musculoskeletal System</p> <ul style="list-style-type: none"> • Drug therapy for osteoporosis • Drug therapy for rheumatoid arthritis • Case study • Activities <p>On-line: ATI Pharmacology Made Easy 4.0: Infection</p> <ul style="list-style-type: none"> • Antibacterials • Antiparasites • Antifungals • Antivirals • Case Study • Activities <p>Lewis: Ch. 61</p> <p>Lecture and discussion</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 10 pg. 431-466-</p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 6 (cont)</p>	<p>Demonstrate the neurovascular assessment of an injured extremity. (2)*</p> <p>Correlate the diagnostic tests indicated for the person with a musculoskeletal problem, with the rationale for each test and the nursing responsibilities associated with the test. (1)*</p> <p>Explain the etiology, pathophysiology, clinical manifestations, and care of soft-tissue injuries. (1)*</p> <p>Describe the sequential events involved in fracture healing. (1)*</p> <p>Differentiate among closed reduction, cast immobilization, open reduction, and traction regarding purpose, complications, and nursing management. (1)*</p> <p>Develop a plan of care for a patient with a fracture. (2,3,4,6,7)*</p> <p>Explain complications associated with fracture injury and the treatment regimens for those complications. (3,6,7)*</p>	<p>3. Diagnostic studies</p> <ol style="list-style-type: none"> a. Radiologic b. Laboratory c. Markers of Muscle Injury d. Invasive procedures e. Miscellaneous <p>D. Musculoskeletal Trauma</p> <ol style="list-style-type: none"> 1. Soft tissue injuries <ol style="list-style-type: none"> a. Sprain and strains b. Dislocation and subluxation c. Repetitive sprain injury d. Carpal tunnel syndrome e. Rotator cuff injury f. Meniscus injury g. Anterior cruciate ligament injury 2. Fractures <ol style="list-style-type: none"> a. Classification b. Clinical manifestations c. Fracture healing d. Interprofessional care <ol style="list-style-type: none"> 1. Medical <ol style="list-style-type: none"> a. fracture reduction b. traction c. fracture immobilization d. drug therapy <ol style="list-style-type: none"> 1. <i>Core Measure-Patient Satisfaction: Pain Management</i> e. nutritional therapy 2. nursing management e. Complications of fractures <ol style="list-style-type: none"> 1. infection <ol style="list-style-type: none"> a) <i>Core Measure-Surgical Care (SCIP): Prophylactic Antibiotic</i> 2. compartment syndrome 	<p>Lewis: Ch. 62</p> <p>Virtual In-Class Video: Tinel’s and Phalen’s sign, Drop Arm test, McMurry’s test, Lachman’s test, Anterior Drawer test</p> <p>Lecture and discussion</p> <p>Virtual In-Class Activity: Application of knee immobilizer and arm/shoulder immobilizer</p> <p><u>Virtual Quiz Ch. 61& Ch. 62 2/9/21 (0800-0830)</u></p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Develop a plan of care for a person who has a hip fracture and for the patient that has undergone surgical repair of a hip fracture. (2,3,4,6,7)</p> <p>Describe the indications for and the care of the patient with an amputation. (2,3,4,6,7)*</p> <p>Compare and contrast the etiology, pathophysiology, clinical manifestations, and management of osteomyelitis. (1,2)*</p> <p>Differentiate between the causes and characteristics of acute and chronic low back pain. (2,3,4,6)*</p> <p>Describe the postoperative nursing management of a client who has undergone spinal surgery. (1,2)*</p> <p>Compare and contrast the etiology, pathophysiology, clinical manifestations, and management of osteoporosis. (1)*</p> <p>Discuss pharmacological agents used in the treatment of osteoporosis. (1)*</p>	<p>3. venous thromboembolism a) <i>Core measure</i>-Surgical Care (SCIP): VTE Prophylaxis Administered</p> <p>4. fat embolism syndrome</p> <p>f. Types of Fractures 1. Hip fracture</p> <p>3. Amputation a. Clinical indications b. Diagnostic studies c. Interprofessional care</p> <p>4. Types of Joint Surgeries</p> <p>E. Musculoskeletal Problems 1. Osteomyelitis a. Etiology and pathophysiology b. Clinical manifestation and complications c. Diagnostic studies d. Interprofessional care e. Nursing management</p> <p>2. Bone Tumors</p> <p>F. Back Pain 1. Acute low back pain 2. Chronic low back pain 3. Intervertebral disk disease 4. Neck pain</p> <p>G. Metabolic Bone Disorders 1. Osteoporosis a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Nursing and interprofessional care</p>	<p>Handout: VTE/DVT Risk Assessment</p> <p>Lewis: Ch. 63 Lecture and discussion</p> <p>Virtual In-Class Activity: Risk Assessment for Osteoporosis</p> <p>Lewis: Ch. 64 Lecture and discussion</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 6 (cont)</p>	<p>Contrast the etiology, pathophysiology, and clinical manifestations, medical, surgical and nursing management of persons with osteoarthritis versus rheumatoid arthritis. (1,2,3,4,6,7)*</p> <p>Describe various medications used for the treatment of arthritis. (1)*</p> <p>Develop a plan of care for a person having joint replacement surgery. (1,2,3,4,6,7)*</p> <p>Relate the pathophysiology, clinical manifestations and management of patients with rheumatic disorders. (1,2)*</p>	<p>H. Arthritis and Connective Tissue Disease</p> <ol style="list-style-type: none"> 1. Osteoarthritis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care e. Nursing management 2. Rheumatoid Arthritis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care e. Nursing management 3. Gout <ol style="list-style-type: none"> a. Etiology & Pathophysiology b. Clinical Manifestations & Complications c. Diagnostic Studies d. Interprofessional Care e. Nursing Management 4. Systemic Lupus Erythematosus <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations and complications c. Diagnostic studies d. Interprofessional care e. Nursing management 5. Fibromyalgia <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care e. Nursing management 6. <i>Social Determinants of Health</i> 	<p>Lecture and discussion</p> <p>Virtual In-Class Activity: Arthritis and Connective Tissue Disease Activity</p> <p>ATI RN Fundamentals Practice Assessment 2019 Version B, due 2/12/21 by 1500 (Reminder: You must obtain $\geq 80\%$)</p>
<p>Week 7</p>	<p>Illustrate the structure and function of the eye and ear. (1)*</p>	<p>I. Assessment of Visual and Auditory System</p> <ol style="list-style-type: none"> 1. Structures and functions of Visual System <ol style="list-style-type: none"> a. External Structure b. Internal Structure 	

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 7 (cont)</p>	<p>Identify the normal physiological and anatomic sensory changes that occur with aging. (1)*</p> <p>Identify the subjective and objective data that should be obtained when assessing the eye and ear. (1,2,4,5).*</p> <p>Formulate a nursing care plan for providing individualized care to clients with sensory problems. (1,2,3,4,5,6)*</p> <p>Compare the etiologies of the common forms of sensory impairment. (1)*</p> <p>Discuss the collaborative management of sensory problems. (1,2,3,4,5,6)*</p> <p>Illustrate interventions used in the preoperative and postoperative care of clients undergoing surgery on the eye. (1,2,5,6)*</p> <p>Analyze the etiologies and assessment features of conductive and sensorineural hearing loss. (1,2)*</p>	<p>c. Effects of Aging</p> <p>2. Assessment of Visual System</p> <p>a. Subjective Data</p> <p>b. Objective Data</p> <p>3. Diagnostic Studies of Visual System</p> <p>4. Structures and Functions of Auditory System</p> <p>a. External Ear</p> <p>b. Internal Ear</p> <p>c. Effects of Aging</p> <p>5. Assessment of Auditory System</p> <p>a. Subjective Data</p> <p>b. Objective Data</p> <p>6. Diagnostic Studies of Auditory System</p> <p>J. Visual and Auditory Problems</p> <p>1. Refractive errors</p> <p>a. Myopia</p> <p>b. Hyperopia</p> <p>c. Presbyopia</p> <p>d. Astigmatism</p> <p>e. Nonsurgical corrections</p> <p>f. Surgical therapy</p> <p>2. Visual impairment</p> <p>3. Eye trauma</p> <p>4. Inflammation and infection</p> <p>5. Dry eye disorders</p> <p>6. Cataracts</p> <p>7. Retinal detachment</p> <p>8. Age-related macular degeneration</p> <p>9. Glaucoma</p> <p>K. Auditory problems</p> <p>1. Trauma</p> <p>2. Otosclerosis</p> <p>3. Menière’s disease</p> <p>4. Acoustic Neuroma</p> <p>5. Hearing loss and deafness</p>	<p>Lewis: Ch. 20, 21</p> <p>Virtual In-Class Activity: Simulated Visual Impairment Activity</p> <p><u>Virtual Pharmacology Quiz: Musculoskeletal System, Sensory, and Infection 2/15/21 (0800-0830)</u></p> <p><u>ATI RN Fundamentals 2019 Proctored Assessment on campus 2/16/21 (see schedule)</u></p> <p>Refer to the Edvance360 Lesson: Week 7-ATI Focused Review 2.0 Orientation Recording (due 2/26/21 by 1500)</p> <p>Virtual In-Class Activity: Multipatient Prioritization</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 9 (cont)	<p>Describe the type of subjective data collected with the neurological assessment. (2)*</p> <p>Describe the type of objective data collected with the neurological assessment. (2)*</p> <p>Describe diagnostic procedures used to evaluate neurological disease. (1,2)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and management of increased ICP. (1,2,3,4,5,6)*</p> <p>Examine the etiology, pathophysiology, clinical manifestations, and management of head injury (1,2,3,4,5,6)*</p>	<p>B. Structure and functions of Nervous System</p> <ol style="list-style-type: none"> 1. Neuron 2. Central nervous system 3. Peripheral nervous system 4. Autonomic nervous system 5. Geriatric considerations <p>C. Subjective Data</p> <ol style="list-style-type: none"> 1. Past medical history 2. Functional health patterns <p>D. Objective Data</p> <ol style="list-style-type: none"> 1. Cranial nerves 2. Motor and sensory systems <p>E. Diagnostic Tests</p> <ol style="list-style-type: none"> 1. Laboratory 2. Radiological <p>F. Intracranial Pressure (ICP)</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Collaborative care 6. Nursing management <p>G. Head Injury</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 	<p>On-line: ATI Pharmacology Made Easy 4.0: The Hematologic System:</p> <ul style="list-style-type: none"> • Thromboembolic Drugs • Case Study • Activities <p>Read: Lewis: Ch. 55</p> <p>Virtual In-class Activity: Neurological assessment</p> <p><u>Virtual In-class quiz Ch. 55 3/9/21 (0800-0830)</u></p> <p>Virtual In-Class NCLEX Overview 3/9/21, 1230-1330</p> <p>Lewis: Ch. 56</p> <p>Lewis: Ch. 56</p> <p>Virtual In-class Activity: Diagnostic Test Escape Room</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Discuss etiology, pathophysiology, clinical manifestations, and management of brain tumors. (1,2,3,4,5,6)*	<ol style="list-style-type: none"> 5. Collaborative care 6. Nursing management <p>H. Brain Tumors</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Collaborative care 6. Nursing management 	Lewis: Ch. 56
	Describe the management of clients undergoing cranial surgery. (1,2,3,4,5,6)*	<p>I. Cranial Surgery</p> <ol style="list-style-type: none"> 1. Preoperative care 2. Postoperative care 3. Surgical site infection prevention (Value-based purchasing) 	Lewis: Ch. 56
	Discuss etiology, pathophysiology, clinical manifestations, and management of meningitis. (1,2,3,4,5,6)*	<p>J. Inflammatory Conditions of the Brain</p> <ol style="list-style-type: none"> 1. Bacterial and viral meningitis 2. Encephalitis 3. Etiology 4. Pathophysiology 5. Clinical manifestations 6. Diagnostic studies 7. Collaborative care 8. Nursing management 9. Isolation measures 	
	Analyze the etiology, pathophysiology, clinical manifestations, and management of stroke. (1,2,3,4,5,6)*	<p>K. Stroke</p> <ol style="list-style-type: none"> 1. Ischemic vs hemorrhagic 2. Etiology 3. Pathophysiology 4. Clinical manifestations 5. Diagnostic studies 6. Collaborative care 7. Nursing management 8. <i>Core measures</i> for Stroke <ol style="list-style-type: none"> a. Dysphagia screening b. Smoking cessation c. Diabetes control d. Cholesterol control 	Lewis: Ch. 57 Virtual In-Class Activity: Stroke case study and prioritization with care plan.
	Discuss pharmacological agents in treatment of stroke. (1,2,3,4,5)*		
	Discuss etiology, pathophysiology, clinical manifestations, and management of cerebral aneurysm.		

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>(1,2,3,4,5,6)* Compare and contrast ischemic versus hemorrhagic stroke (1,2,3,4,5,6)*</p> <p>Formulate a care map for an ischemic stroke patient (1,6)*</p>	<p>e. DVT prevention (value-based purchasing) f. Anticoagulation measures 9. <i>Social Determinants of Health</i></p>	
Week 10	<p>Discuss etiology, pathophysiology, clinical manifestations, and management of migraine headaches. (1,2,3,4,5,6)* Describe various medications for treatment of migraines. (1,2,3,4,5)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and management of epilepsy. (1,2,3,4,5,6)*</p> <p>Discuss pharmacological agents to treat epilepsy. (1,2,3,4,5)*</p> <p>Analyze the etiology, pathophysiology, clinical manifestations, and management of various chronic neurological problems (Multiple sclerosis, Parkinson's disease and Alzheimer's' Disease). (1,2,3,4,5,6)*</p> <p>Describe the pharmacological management of Parkinson's disease and MS. (1,2,3,4,5)*</p>	<p>L. Headache</p> <ol style="list-style-type: none"> 1. Migraine 2. Etiology 3. Pathophysiology 4. Clinical manifestations 5. Diagnostic studies 6. Collaborative care 7. Nursing management <p>M. Seizure Disorder and Epilepsy</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Collaborative care 6. Nursing management 7. Seizure precautions and safety measures <p>N. Multiple Sclerosis</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Collaborative care 6. Nursing management <p>O. Parkinson's Disease</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 	<p>Lewis: Ch. 58</p> <p><u>Virtual quiz Ch 56 & 57 3/15/21 (0800-0830)</u></p> <p>Lewis: Ch. 58</p> <p>Refer to the Edvance360 Lesson: Week 10- Ch. 58 Videos (due 3/15/21)</p> <p>Virtual In-Class Pharmacology Activity</p> <p>Lewis: Ch. 58</p> <p>Lewis: Ch. 58</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Discuss etiology, pathophysiology, clinical manifestations, and management of Alzheimer’s disease, dementia, and delirium. (1,2,3,4,5,6)*</p> <p>Describe the pharmacological management of Alzheimer’s disease, dementia, and delirium. (1,2,3,4,5)*</p> <p>Formulate a nursing care plan for an Alzheimer’s patient utilizing clinical judgment skills (1,3,6)*</p>	<ol style="list-style-type: none"> 4. Diagnostic studies 5. Collaborative care 6. Nursing management 7. Safety and fall prevention (CMS) <p>P. Alzheimer’s Disease, Dementia, and Delirium</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Collaborative care 6. Nursing management 7. Safety measures (CMS) 	<p>Lewis: Ch. 59</p> <p>Virtual In-Class: NCLEX Questions Game</p>
Week 11	<p>Discuss etiology, pathophysiology, clinical manifestations, and management of cranial nerve and spinal cord disorders. (1,2,3,4,5,6)*</p>	<p>Q. Cranial Nerve and Spinal Cord Disorders</p> <ol style="list-style-type: none"> 1. Bell’s palsy 2. Guillain-Barre syndrome 3. Spinal cord injuries 4. Autonomic Dysreflexia 5. Etiology 6. Pathophysiology 7. Clinical manifestations 8. Diagnostic studies 9. Collaborative care 10. Nursing management 	<p>Lewis: Ch. 60</p> <p><u>Virtual Neurological Pharmacology Quiz</u> <u>3/22/21 (0800-0830)</u></p> <p><u>Virtual In-Class: Stroke Globalization Presentations</u> <u>3/22/21</u> *Reminder for students to submit electronic Stroke globalization presentation to Liz by 1400 3/19/21</p> <p><u>Virtual UNIT TEST IV: Neurological Nursing</u> <u>(1 hour)</u> <u>3/23/21 0800-0900</u></p>
Week 11 (cont)	<p>Upon completion of this unit, the student will be able to:</p>	<p>UNIT V - GASTROINTESTINAL, BILIARY, AND HEPATIC NURSING (18 hours)</p>	<p>Clinical Assignment: Care of a patient with various GI or hepatic disorders</p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Outline the pharmacological agents used to treat gastrointestinal related conditions. (1,2,3,5,6)*</p> <p>Explain the structures and functions of the organs of the GI tract, biliary tract, and pancreas. (1)*</p> <p>Summarize the significant subjective and objective data related to the GI system that should be obtained from a patient. (2, 4)*</p> <p>Examine the purpose, significance of results, and nursing responsibilities related to diagnostic studies of the GI system. (2)*</p> <p>Explain the essential components of a nutritionally sound diet and their importance to good health. (1,2)*</p>	<p>A. Gastrointestinal Pharmacology</p> <ol style="list-style-type: none"> 1. Bulk-Forming Agent 2. GI Anti-Inflammatory (5-Aminosalicylates) 3. Mucousal Protectant 4. Histamine H₂ Antagonist 5. Antidiarrheal 6. Stool Softener/Surfactant Laxative 7. Anti-Irritable Bowel Syndrome Agent 8. Antacid 9. Dopamine Antagonist (Anti-nausea) 10. Serotonin Antagonist (Anti-nausea) 11. Proton-Pump Inhibitor 12. Stimulant Laxatives <p>B. Nursing Assessment</p> <ol style="list-style-type: none"> 1. Structures and functions of the gastrointestinal (GI) system 2. Assessment of the GI system <ol style="list-style-type: none"> a. Gerontologic Considerations: Effects of aging on GI system 3. Diagnostic studies of the GI system <ol style="list-style-type: none"> a. Radiologic studies b. Endoscopy c. Liver biopsy <p>C. Nutritional Problems</p> <ol style="list-style-type: none"> 1. Malnutrition 2. Nursing and interprofessional management 3. Gerontologic considerations 4. Specialized nutritional support 	<p>Clinical Observation: Digestive Health</p> <p>Read: Optional: ATI RN Adult Medical Surgical Nursing 11.0 Unit 7: Nursing Care of Clients with Gastrointestinal Disorders, Ch. 46-55</p> <p>Handout: GI Pharmacology Topics (Self-Study)</p> <p>Online: ATI Pharmacology Made Easy 4.0- The Gastrointestinal System</p> <p>Read: ATI RN Pharmacology for Nursing, 8.0 Unit 6: Medications Affecting the Gastrointestinal System and Nutrition, Ch. 28-30.</p> <p>Read: Lewis: Ch. 38</p> <p>Handout: Ch. 38 PowerPoint (self-study)</p> <p>Refer to the Edvance360 Lesson: Week 11- Ch. 39, 40 Online Lecture PowerPoints (due 3/29/21)</p> <p>Lewis: Ch. 39</p> <p>Virtual In-Class Activity: Nutrition & Obesity</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Analyze the common etiologic factors, clinical manifestations, and management of malnutrition. (1,2,7)*</p> <p>Examine the indications, complications, and nursing management related to the use of parenteral nutrition and enteral nutrition. (1,2,7)*</p> <p>Discuss the etiologies, complications, and collaborative care of obesity. (1,2,7)*</p>	<p>a. Enteral nutrition b. Parenteral nutrition (PN)</p> <p>D. Obesity</p> <ol style="list-style-type: none"> 1. Etiology and pathophysiology 2. Health risks associated with obesity 3. Nursing and interprofessional management 4. Bariatric surgical therapy 5. Metabolic syndrome 	<p>Ch. 40</p> <p>ATI RN Fundamentals Focused Review: Binder due 3/26/21 by 1500</p>
Week 11 & 12	<p>Integrate the etiology, complications, collaborative care, and nursing management of nausea and vomiting. (2,3,7)*</p> <p>Explain the types, pathophysiology, clinical manifestations, complications, and collaborative care of GERD and hiatal hernia. (2,3,7)*</p> <p>Compare and contrast the etiology, pathophysiology, clinical manifestations, and management of the patient with diverticula, strictures, achalasia, and varices. (2,3,4,6,7)*</p> <p>Differentiate gastric and duodenal ulcers. (2,3,4,6,7)*</p>	<p>E. Nursing Management: Upper GI Problems</p> <ol style="list-style-type: none"> 1. Nausea and vomiting 2. Oral cancer 3. Esophageal disorders <ol style="list-style-type: none"> a. Gastroesophageal reflux disease (GERD) b. Gerontologic considerations c. Hiatal hernia d. Esophageal cancer e. Other esophageal disorders <ol style="list-style-type: none"> 1) Diverticula 2) Strictures 4. Disorders of the stomach and upper small intestine <ol style="list-style-type: none"> a. Gastritis b. Peptic ulcer disease (PUD) c. Upper GI bleeding 	<p>Read: Lewis: Ch 41: Upper Gastrointestinal Problems</p> <p>Virtual In-Class Video:</p> <ul style="list-style-type: none"> • Dystonia & Tardive Dyskinesia <p>Virtual In-Class Activity:</p> <ul style="list-style-type: none"> • GERD/Esophageal Cancer Case Study • GERD/Peptic Ulcer Disease Drug Therapy Matching Game • Peptic Ulcer Disease Case Study <p><u>Virtual GI Quiz- Ch. 38, 39, 40 Online Lecture Content 3/29/21 (0800-0830)</u></p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 12 (cont)	<p>Explain the common etiologies, collaborative care, and nursing management of diarrhea, fecal incontinence, and constipation. (2,3,4,6,7)*</p> <p>Compare and contrast ulcerative colitis and Crohn’s disease, including pathophysiology, clinical manifestations, complications, collaborative care, and nursing management. (2,3,4,6,7)*</p> <p>Describe the clinical manifestations and collaborative management of colorectal cancer. (2,3,4,6,7)*</p> <p>Differentiate between diverticulitis and diverticulosis. (2,3,4,6,7)*</p> <p>Summarize the types, clinical manifestation, collaborative care, and nursing management of anorectal conditions. (2,3,4,6,7)*</p>	<p>F. Nursing Management: Lower GI Problems</p> <ol style="list-style-type: none"> 1. Diarrhea 2. Fecal incontinence 3. Constipation <ol style="list-style-type: none"> a. Safe use of opioids & addiction 4. Acute abdominal pain <ol style="list-style-type: none"> a. Pain assessment 5. Irritable bowel syndrome (IBS) 6. Abdominal trauma 7. Inflammatory disorders <ol style="list-style-type: none"> a. Appendicitis b. Peritonitis <ol style="list-style-type: none"> 1) <i>Core Measure: Sepsis</i> c. Gastroenteritis 8. Inflammatory bowel disease <ol style="list-style-type: none"> a. Ulcerative colitis b. Crohn’s disease 9. Intestinal obstruction 10. Polyps 11. Colorectal cancer <ol style="list-style-type: none"> a. <i>34 Safe Practices for Better Healthcare: Surgical Site Infection Prevention</i> 12. Ostomy surgery 13. Fistulas 14. Diverticulosis and diverticulitis 15. Hernias 16. Celiac disease 17. Anorectal problems 	<p>Read: Lewis: Ch 42: Lower Gastrointestinal Problems</p> <p>Virtual In-Class Activity: Kahoot Activity: GI practice questions</p> <p>Virtual In-Class Case Study: Ulcerative Colitis/Crohn’s Disease</p> <p>Guest lecturer: Life Banc Services Ian Sewolich, Metro Health In-House Coordinator</p>
Week 13	<p>Describe the pathophysiology of commonly occurring disorders of the liver. (1)*</p> <p>Analyze laboratory and diagnostic tests used to diagnose disorders of the liver. (1,2,5,7)*</p>	<p>G. Liver, Pancreas, and Biliary Tract Problems</p> <ol style="list-style-type: none"> 1. Disorders of the liver <ol style="list-style-type: none"> a. Hepatitis b. Drug and chemical induced liver disease c. Cirrhosis d. Varices e. Liver cancer 	<p><u>Virtual Quiz – Ch. 41 4/5/21 (0800-0830)</u></p> <p>Read: Lewis: Ch 43: Liver, Pancreas and Biliary Tract Problems</p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	<p>Explain the rationale for selected nursing interventions related to care of clients with hepatic disorders. (1,2,3,4,5,6,7)*</p> <p>Compare and contrast acute and chronic pancreatitis. (2,3,4,6,7)*</p> <p>Analyze the pathophysiology, clinical manifestations, complications, and collaborative care, including surgical therapy, of gallbladder disorders. (2,3,4,6,7)*</p> <p>Demonstrate the use of accomplished and exemplary clinical judgment in the prioritization and management of care with a case scenario involving multiple patients with gastrointestinal conditions. (1,2,3,4,5,6,7)*</p>	<p>f. Liver transplantation g. Gerontologic considerations</p> <p>2. Disorders of the pancreas a. Acute pancreatitis b. Chronic pancreatitis c. Pancreatic cancer 1) <i>National Patient Safety Goal (NPSG):</i> Prevent mistakes in surgery</p> <p>3. Disorders of the biliary tract a. Cholelithiasis and cholecystitis</p>	<p>Virtual In-Class Video: Portal Hypertension/What alcohol can do to your liver</p> <p>Virtual In-Class Activity: Complications of Cirrhosis</p> <p><u>Virtual GI Pharmacology Quiz 4/8/21 (0800-0830)</u></p> <p>Virtual In-Class Group Activity: Prioritization & Delegation of Multiple Patients with Gastrointestinal Conditions</p> <p>Virtual In-Class: EBP Poster Presentation Review Day 4/8/21 1200-1330</p> <p>High Fidelity Simulation Lab:</p> <ul style="list-style-type: none"> • Respiratory/Gastrointestinal (4.5 hours) (see schedule and scenario materials in Edvance360 Resources)
Week 14			<p>vSim Stan Checketts- Middle Aged, Caucasian, Male (Medical-Surgical scenario) due by 8:00a, 4/13/21</p> <p style="text-align: center;"><u>Virtual UNIT TEST V: GI Nursing</u> <u>(1 hour)</u> <u>4/13/21 0800-0900</u></p>
Week 14 (cont)	<p>Describe the functions of the urinary system. (1)*</p> <p>Outline the pharmacological agents used to treat genitourinary</p>	<p>UNIT VI - URINARY AND RENAL NURSING (14 hours)</p> <p>A. Urinary and Renal Pharmacology 1. Loop Diuretic 2. Thiazide Diuretic</p>	<p>Clinical assignment: Care for patients with various urinary, renal, and male reproductive disorders</p> <p>Handout: Urinary/Renal/Male Reproductive Pharmacology Topics (Self-Study)</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 14 (cont)	<p>and male reproductive related conditions. (1,2,3,5,6)*</p> <p>Identify interview questions pertinent to the assessment of the urinary system. (2,4)*</p> <p>Describe techniques for the physical assessment of urinary function. (2)*</p> <p>Describe the pathophysiology of commonly occurring disorders of the urinary tract. (1)*</p> <p>Correlate the diagnostic tests for the person with a disorder of the urinary tract with the rationale for each test and the nursing responsibilities associated with the test. (1,2)*</p>	<ol style="list-style-type: none"> 3. Potassium-Sparing Diuretic 4. Antianemic 5. Fat Soluble Vitamin 6. Phosphate Binder 7. Hypokalemic Electrolyte Modifier 8. Nonopioid Urinary Tract Analgesic 9. Anticholinergic Urinary Tract /Antispasmodic 10. Alpha-1 Adrenergic Antagonist 11. 5-Alpha Reductase Inhibitor 12. Phosphodiesterase Type 5 Inhibitor <p>B. Brief overview of anatomy and physiology</p> <ol style="list-style-type: none"> 1. Structures and functions of the urinary system 2. Gerontologic Considerations: Effects of aging on Urinary System <p>C. Assessment of urinary system</p> <ol style="list-style-type: none"> 1. Subjective data 2. Objective data <p>D. Diagnostic studies of urinary system</p> <ol style="list-style-type: none"> 1. Urine studies <ol style="list-style-type: none"> a. <i>34 Safe Practices for Healthcare: Labeling specimen, contrast media, and kidney injury</i> 2. Urodynamic studies <p>E. Infections and inflammatory disorder of the urinary system</p> <ol style="list-style-type: none"> 1. Urinary tract infection <ol style="list-style-type: none"> a. Classification b. Etiology and pathophysiology c. Clinical manifestations d. Diagnostic studies e. Interprofessional care f. Nursing management 2. Acute Pyelonephritis <ol style="list-style-type: none"> a. Etiology and pathophysiology- b.-Clinical manifestations & Diagnostic studies c. Interprofessional care d. Nursing management 	<p>Lewis: Ch. 44</p> <p>Virtual In-Class: A & P Review Activity</p> <p>Lewis: Ch. 44</p> <p>Lewis Ch. 44 & ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 8, Ch. 56 Renal Diagnostic Procedures</p> <p>Virtual In-Class Activity: Renal Diagnostic Procedure/ Nursing Care Matching Game</p> <p>Read: Lewis: Ch. 45</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 8, Ch. 60 Infections of the Renal and Urinary System</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 14 (cont)</p>	<p>Differentiate the manifestations of common disorders of the urinary tract. (1,2)*</p> <p>Relate the nursing implications for medications prescribed for the client with a urinary tract disorder. (1,2,7)*</p> <p>Use the nursing process as a framework for providing individualized care to clients with disorders of the urinary tract. (2,3,4,7)*</p>	<p>e. <i>Core Measure: Sepsis</i></p> <p>1. <i>Urosepsis</i></p> <p>3. Chronic Pyelonephritis</p> <p>4. Interstitial Cystitis / painful bladder syndrome</p> <p style="padding-left: 20px;">a. Clinical manifestations & Diagnostic studies</p> <p style="padding-left: 20px;">b. Interprofessional care</p> <p style="padding-left: 20px;">c. Nursing management</p> <p>F. Immunologic disorders of the kidney</p> <p>1. Glomerulonephritis</p> <p style="padding-left: 20px;">a. Types</p> <p style="padding-left: 20px;">b. Etiology and pathophysiology</p> <p style="padding-left: 20px;">c. Clinical manifestations</p> <p style="padding-left: 20px;">d. Diagnostic studies</p> <p style="padding-left: 20px;">e. Nursing & Interprofessional management</p> <p>2. Nephrotic syndrome</p> <p style="padding-left: 20px;">a. Etiology</p> <p style="padding-left: 20px;">b. Clinical manifestations</p> <p style="padding-left: 20px;">c. Nursing & Interprofessional management</p> <p>G. Obstructive uropathies</p> <p>1. Causes of urinary tract obstruction</p> <p>2. Pathophysiology of obstruction</p> <p>3. Urinary calculi</p> <p style="padding-left: 20px;">a. Etiology & Pathophysiology</p> <p style="padding-left: 20px;">b. Types of calculi</p> <p style="padding-left: 20px;">c. Clinical manifestations</p> <p style="padding-left: 20px;">d. Diagnostic studies</p> <p style="padding-left: 20px;">e. Interprofessional Care</p> <p style="padding-left: 20px;">f. Nursing management</p> <p>4. Strictures</p> <p style="padding-left: 20px;">a. Ureteral</p> <p style="padding-left: 20px;">b. Urethral</p> <p>H. Renal vascular problem</p> <p>1. Nephrosclerosis</p> <p>2. Renal artery stenosis</p> <p>3. Renal vein thrombosis</p> <p>I. Hereditary renal diseases</p> <p>1. Polycystic kidney disease</p> <p style="padding-left: 20px;">a. Genetic Link</p>	<p>Lewis: Ch 45</p> <p>Virtual In-Class Activity: Glomerulonephritis Care Plan</p> <p>Lewis: Ch. 45</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 8, Ch. 61 Renal Calculi</p> <p>Content G-H: Refer to Edvance360 Lesson: Week 14- Ch. 45 Obstructive & Vascular Renal Disorders Online Lecture PowerPoint (due 4/13/21)</p> <p>Virtual In-Class Activity: Patient Teaching Pamphlet for Renal Calculi</p> <p>Lewis: Ch. 45</p> <p>Lewis: Ch. 45</p>

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Identify specific dietary modifications prescribed for clients with renal disorders. (1)*	<ul style="list-style-type: none"> b. Nursing & Interprofessional management J. Urinary tract tumors <ul style="list-style-type: none"> 1. Kidney cancer <ul style="list-style-type: none"> a. Clinical manifestations b. Diagnostic studies c. Nursing & Interprofessional management 2. Bladder cancer <ul style="list-style-type: none"> a. Clinical manifestations b. Diagnostic studies c. Nursing & Interprofessional management K. Bladder Dysfunction-Urinary incontinence and retention <ul style="list-style-type: none"> 1. Etiology & Pathophysiology 2. Diagnostic studies 3. Interprofessional care 4. Nursing management 5. Catheterization <ul style="list-style-type: none"> a. CAUTI b. <i>34 Safe Practices for Healthcare: Preventing CAUTI</i> 6. Surgery <ul style="list-style-type: none"> a. Renal and ureteral b. Laparoscopic nephrectomy c. Urinary diversion <ul style="list-style-type: none"> 1. Types 2. Nursing management 	<p>Lewis: Ch. 45</p> <p>Virtual In-Class Activity: “Guess the Renal Condition”</p> <p>Lewis: Ch. 45</p> <p>EBP Poster Presentation Day (Mylander Conference Room) 4/12/21 1000-1400</p> <p><u>Virtual Quiz (Ch. 45) 4/15/21 (0800-0830)</u></p>
Week 15	Use the nursing process to plan and provide individualized care to clients with renal disorders. (2,3,4,7)*	<ul style="list-style-type: none"> L. Renal failure <ul style="list-style-type: none"> 1. Acute kidney injury <ul style="list-style-type: none"> a. Etiology & Pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care e. Nursing management f. Gerontological considerations 2. Chronic kidney disease <ul style="list-style-type: none"> a. Etiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care 	<p>Lewis: Ch. 46</p> <p>Content L: Refer to Edvance360 Lesson: Week 15- Ch. 46 Renal Failure Online PowerPoint (optional)</p> <p>Guest Lecturer: Julia Colavincenzo RN, CNN Director of dialysis services Firelands Regional Medical center</p> <p>ATI Text: RN Adult Medial Surgical Nursing 11.0 Unit 8, Ch. 59 Acute Kidney Injury and</p>

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
<p>Week 15 (cont)</p>	<p>Evaluate the nursing implications for a client undergoing dialysis. (2,3,7)*</p> <p>Examine the pathophysiology of tissue transplant rejection. (1)*</p>	<p>e. Nursing management f. <i>Social Determinants of Health</i></p> <p>3. Dialysis support a. Peritoneal dialysis b. Hemodialysis c. Continuous renal replacement therapy</p> <p>4. Kidney transplantation 5. Gerontologic considerations: Chronic kidney disease</p>	<p>Chronic Kidney Disease</p> <p>ATI Text: RN Adult Medial Surgical Nursing 11.0 Unit 8, Ch. 57 Hemodialysis and Peritoneal Dialysis</p> <p>Lewis: Ch. 13 pg. 204-206- Organ transplantation</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 8, Ch. 58 Kidney Transplant</p> <p>Virtual In-Class Activity: End Stage Renal Disease</p> <p>Virtual In-Class Activity: Prioritization and Delegation of Renal Patient</p>
	<p>Explain the pathophysiology, clinical manifestations, and collaborative care of BPH. (1,2,3)*</p> <p>Demonstrate the correct technique for performance of testicular self-examination. (4)*</p> <p>Identify teaching strategies that promote the monthly practice of testicular self-examination. (1,5)*</p> <p>Discuss teaching needs of the patient with impotence. (2,4)*</p>	<p>M. Male Reproductive Problems</p> <p>1. Problems of the prostate gland a. Benign prostatic hyperplasia (BPH) b. Cancer of the prostate c. Prostatitis</p> <p>2. Problems of the scrotum & testes a. Testicular cancer</p> <p>3. Sexual Function a. Erectile dysfunction</p>	<p>Read: Ch. 54</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0 Unit 9, Ch. 65- Diagnostic Procedures for Male Reproductive Disorders Unit 9, Ch. 66- Benign Prostatic Hyperplasia, Erectile Dysfunction pg. 439-441</p> <p>Virtual In-Class Activity: CBI demo</p> <p>Virtual In-Class Activity:</p> <ul style="list-style-type: none"> • Location and identification of lumps on testicle model; Prostate model • Virtual In-Class Activity: Renal Jeopardy <p><u>Virtual Urinary/Renal/Male Reproductive Pharmacology Quiz 4/20/21 (0800-0830)</u></p> <p>vSim Harry Hadley- Geriatric, Caucasian, Male (Pharmacology scenario) due by 8:00a, 4/22/21</p> <p><u>Virtual UNIT TEST VI: Renal/Urinary/ Male Reproductive Nursing (1 hour)</u></p>

*Course Objectives

COURSE OUTLINE
CONTENT

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
			<u>4/22/21 0800-0900</u>
Week 16		<u>COMPREHENSIVE FINAL EXAMINATION- ON CAMPUS (2 HOURS) 4/29/21 0800-1000</u>	vSim Yoa Li- Young Adult, Asian, Male (Pharmacology scenario) due 4/26/21 by 1500 ATI Practice Assessments Targeted Med-Surg 2019: Respiratory, Endocrine, Neurosensory/Musculoskeletal, Gastrointestinal, and Renal/Urinary (due 4/27/21 by 1500)

12/14/20